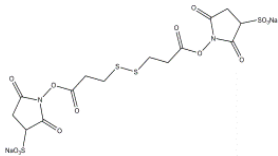


DTSSP Crosslinker

ALTERNATE NAME:	1-[3-[3-(2,5-dioxo-3-sulfopyrrolidin-1-yl)oxy-3-oxopropyl]disulfanylpropanoyloxy]-2,5-dioxopyrrolidine-3-sulfonic acid; Sulfo-DSP; DTBSSP
CATALOG#:	2337-50, -250, -500
AMOUNT#:	50 mg, 250 mg, 500 mg
STRUCTURE:	
MOLECULAR FORMULA#:	C ₁₄ H ₁₄ O ₁₄ N ₂ S ₄ Na ₂
MOLECULAR WEIGHT#:	608.51
CAS#:	81069-02-5 (for the free sulfonic acid)
APPEARANCE:	White to off-white solid
SOLUBILITY:	H ₂ O (>6 mg/ml)
PURITY:	≥80% by NMR
STORAGE:	+4 °C. Protect from moisture
DESCRIPTION:	A cleavable homobifunctional protein crosslinking reagent

KEY FEATURES & APPLICATIONS:

- Water-soluble
- Has primary amine-reactive N-hydroxysulfosuccinimide (Sulfo-NHS) esters at both ends
- Contains cleavable, 8-atom (12 Å) spacer arm
- The disulfide bond in the spacer arm is cleavable with reducing agents such as DTT, TCEP, etc.
- DTSSP crosslinker is membrane-impermeable, thus enabling cell-surface crosslinking without interfering with intercellular proteins

RELATED PRODUCTS:

Sulfo-SMCC (Cat. No. 2320-50, 100, 1000, 1 EA)
 Sulfo-NHS (Cat. No. 2321-500, 5G, 1 EA)
 Sulfo-NHS-Biotin (Cat. No. 2322-50, 250, 1 EA)
 Sulfo-SANPAH (Cat. No. 2324-50, 250)
 Sulfo-LC-SPDP (Cat. No. 2325-50, 250)
 Sulfo-NHS-LC-Biotin (Cat. No. 2326-50, 250, 1EA)
 BS3 Crosslinker (Cat. No. 2327-50, 250, 1000, 1 EA)
 SPDP Crosslinker (Cat. No. 2328-50, 250)
 Biotin-HPDP (Cat. No. 2329-50, 250)
 Traut's Reagent (Cat. No. 2330-50, 250)
 N-Hydroxysuccinimide (Cat. No. 2331-1G, 5G, 25G)

FOR RESEARCH USE ONLY! Not to be used on humans.